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CLAIMS

1. A separator for use in storage battery comprising a paper sheet formed by wet process and mainly composed of glass fibers in which the fiber distribution is uniform in the longitudinal and the cross directions of the separator, and the fiber orientation is at random in the longitudinal and the cross directions of the separator.
2. A separator for use in storage battery according to claim 1, wherein the average value for a difference of a wicking velocity (time required for absorbing up to 5 cm height) between the longitudinal and the cross directions of the separator for use in storage battery is 11% or less.
3. A separator for use in storage battery according to claim 2, wherein the average value for a difference of a wicking velocity (time required for absorbing up to 5 cm height) between the longitudinal and the cross directions of the separator for use in storage battery is 7% or less.
4. A separator for use in storage battery according to claim 1, wherein the fiber distribution is uniform in the direction of the thickness of the separator, and the randomness of the fiber orientation in the longitudinal and the cross directions of the separator is uniform in the direction of the thickness of the separator.
5. A separator for use in storage battery according to claim

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4, wherein the average value for a difference of a wicking velocity (time required for absorbing up to 5 cm height) between the right-side and the back-side surfaces of the separator for use in storage battery is 17% or less.

6. A separator for use in storage battery according to claim 5, wherein the average value for a difference of a wicking velocity (time required for absorbing up to 5 cm height) between the right-side and the back-side surfaces of the separator for use in storage battery is 10% or less.

7. A separator for use in storage battery according to claim 1, wherein there is no difference in the surface roughness between the right-side and the back-side surfaces of the separator for use in storage battery and both of them are smooth.

8. A separator for use in storage battery according to claim 1, wherein the separator for use in storage battery is manufactured by using an inclined-type papering machine provided with a pond regulator.

9. A separator for use in storage battery according to claim 1, wherein the separator for use in storage battery is manufactured by using a twin wire-type papering machine.

10. A separator for use in storage battery according to claim 1, wherein it is used for a valve regulated lead-acid battery.

11. A storage battery characterized by using a separator for use in storage battery according to claim 1.